

Oracle® Retail Invoice Matching
Installation Guide
Release 11.0.11

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Preface

Oracle Retail Installation Guides contain the requirements and procedures that are necessary for the retailer to install Oracle Retail products.

Audience

This Installation Guide is written for the following audiences:

- Database administrators (DBA)
- System analysts and designers
- Integrators and implementation staff

Related Documents

For more information, see the following documents in the Oracle Retail Invoice Matching Release 11.0.11 documentation set or in the Oracle Retail Other Product Two Release 0.0 documentation set:

- Oracle Retail Invoice Matching Release Notes
- Oracle Retail Invoice Matching Data Model

Customer Support

- <https://metalink.oracle.com>

When contacting Customer Support, please provide:

- Product version and program/module name.
- Functional and technical description of the problem (include business impact).
- Detailed step-by-step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

Conventions

Navigate: This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

Note: This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

This is a code sample
It is used to display examples of code

A hyperlink appears like this.

Hardware and Software Requirements

Database Server

General requirements for a database server capable of running Invoice Match application include:

- UNIX based OS certified with Oracle RDBMS 9i Release 2 Enterprise Edition. Options include AIX 5.2, Solaris 9 (SPARC), and HP-UX 11.11.
- Oracle RDBMS 9i Release 2 Enterprise Edition.

Application Server

General requirements for an application server capable of running Invoice Match 11 application include:

- UNIX based OS certified with Oracle 10G Application Server (OC4J 9.0.4). Options include IBM AIX 5.2, Solaris 9 (SPARC), and HP-UX 11.11.
- Oracle 10G Application Server (OC4J 9.0.4)

Client PC and Web Browser Requirements

Client PC Requirements

- Operating system is Windows 2000 or XP
- Display resolution: 1024x768
- Processor; minimum 1GHz
- Memory; minimum of 512MBytes
- Networking; Intranet with at least 10Mbps data rate.
- Sun JRE 1.4.1 32 bit

Browser Requirements

- Microsoft Internet Explorer; version 5.5 or higher

Database Installation Instructions

This patch overwrites existing code. Before applying the ReIM 11.0.11 patch:

- Ensure that ReIM 11.0.10 and RMS 11.0.11 are installed.
- Backup the database.
- Backup the ReIM software and note any existing custom code modifications made within the modules. Customizations must be reapplied over the new version of the module (or the fix may need to be applied to the custom version of the code).
- Review the enclosed ReIM 11.0.11 Patch Release Notes (reim-11011-rn.pdf).

Note: These instructions refer to REIM11DEV as the Oracle owning schema.

Mount CD-ROM on the Database Server

1. Copy the reim11011dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:
`unzip reim11011dbpatch.zip`

Update ReIM Tables

1. Change directories to staging area/dbcs
2. Log into sqlplus as REIM11DEV and run the following command:
`SQL> @patch11011dbcs.sql`
3. Check the log file patch11011dbcs.log for any errors.

Update ReIM Database Objects

1. Change directories to staging area/db_objects
2. Log into sqlplus as REIM11DEV and run the following command:
`SQL> @patch11011reim.sql`
3. Check the log file patch11011reim.log for any errors.

Update Data for ReIM

1. Change directories to staging area/sqlplus
2. Log into sqlplus as REIM11DEV and run the following command:
`SQL> @patch11011ctl.sql`
3. Check the log file patch11011ctl.log for any errors.

Validate all Invalid Objects

Note: Deadlocked objects may appear when running this script. This is expected. Run the script until no more invalid objects remain.

1. Change directories to INSTALL_DIR/utility
2. Log into sqlplus as REIM11DEV and run the following command:
`SQL> @inv_obj_comp.sql`
3. This script may need to be run more than once.

OC4J 10g Standalone Installation Instructions

UNIX (Sun Solaris/HPUX/AIX)

Note: ORACLE_HOME is the location where Oracle Containers for J2EE (OC4J) Standalone v9.0.4 is installed for Invoice Matching 11.0. OC4J 9.0.4 standalone is distributed in a zip file format (oc4j_extended.zip), and is available from the Oracle Technology Network (OTN) web site. While Invoice Matching 11 can be deployed to and run on OC4J 9.0.4 as bundled with other Oracle 10G Application Server, this installation guide lists the steps necessary to apply the Invoice Matching 11.0.9 patch to an existing Invoice Matching 11.0 application running in OC4J 9.0.4 Standalone. OC4J refers to OC4J 9.0.4 Standalone for the remainder of this installation guide. Additional information about OC4J may be obtained by consulting Oracle support.

Note: Java 2 version 1.4.1 is required to install and run Invoice Matching 11.X on OC4J.

Note: The reim.war file released with Invoice Matching 11.0.11 is a full Invoice Matching 11.0.11 application. It is recommended that the existing Invoice Matching 11.0 application be backed up prior to deploying the Invoice Matching 11.0.11 war file. The instructions that follow list steps for backing up an existing Invoice Matching 11.0 application in OC4J 9.0.4 Standalone and then for deploying the Invoice Matching 11.0.11 reim.war file in that same J2EE_HOME. For OC4J 9.0.4 Standalone installation instructions, refer to the Invoice Matching 11.0 installation guide (reim-11-ig.doc).

Copy and Extract Invoice Matching 11.0.11 Files from CDROM

1. Log into the application server as the retek user and determine where the Invoice Matching application file reim11011appserver.zip will be installed. There should be a minimum of 150 MB disk space available for the application installation files.
2. Copy the file reim11011appserver.zip from the CD/appserverunix directory to the newly created staging directory. This staging directory is referred to as INSTALL_DIR for the remainder of this chapter.
3. Make sure the following variables are set for the retek user:
 - J2EE_HOME = ORACLE_HOME/j2ee/home
 - PATH = <Java 1.4.1 bin directory>:\$PATH
4. Change directories to the staging directory and extract the reim11011appserver.zip file.
 - > unzip reim11011appserver.zip

The following directories and files should now exist in INSTALL_DIR:

- reim.war
 - src.zip (11.0.11 source only)
 - web.zip (11.0.11 files only)
 - unixbatchscripts
 - prop_files
5. Optional - back up the following file and directory (stop server before backing up, start server after back up complete):
 - J2EE_HOME/applications/reim.war
 - J2EE_HOME/applications/reim.war

Example: > mv reim.war reim_1109.war
> mv reim reim_1109

6. Copy the reim.war file from INSTALL_DIR to the J2EE_HOME/applications directory.
7. Ensure the correct JDBC driver file (classes12dms.jar) exists in ORACLE_HOME/jdbc/lib. This file should have been copied from DATABASE_ORACLE_HOME/jdbc/lib on the database server to ORACLE_HOME/jdbc/lib on the application server. This ensures that the JDBC driver version matches the database version. This step needs to be repeated whenever the Oracle database is upgraded.

Start/Stop the Default OC4J Application

The OC4J container must be reloaded in order for reim.war to be extracted

1. Stop OC4J if it is running:
`> java -jar admin.jar ormi://<server>:<oc4j_ormi_port> admin <admin password> -shutdown -force`

server = name or IP address of the server where OC4J is running

oc4j_ormi_port = port number in the rmi-server element of rmi.xml

admin_password = password supplied during the OC4J install

Example: `> java -jar $J2EE_HOME/admin.jar
ormi://server:23791 admin admin -shutdown -force`

2. Start OC4J:
`> java -jar $J2EE_HOME/oc4j.jar &`
"Oracle Application Server Containers for J2EE 10g (9.0.4.0.0) initialized" prompt means the container has started

Edit the File reim.properties

1. Change directories to J2EE_HOME/applications/reim/WEB-INF/classes/com/retex/reim.
2. Edit the file reim.properties by changing the following parameters: username, batcherrorlogpath, logpath, schemaOwner, batchlogpath, url, DATA_PATH, password:

username = additional Oracle user with RMS permissions

batcherrorlogpath = path to log directory for error messages (this directory needs to be created)

logpath = path to log directory (this directory needs to be created)

schemaOwner = RMS/ReIM database schema owner

beanDriver =

com.retek.reim.foundation.rms11 for RMS 11
com.retek.reim.foundation.rms10 for RMS 10.1
com.retek.reim.foundation.rms10_2 for RMS10.2

datasource =

rms11 for RMS11
rms10 for RMS10.1
rms10_2 for RMS 10.2

authentication_source = LDAP or DATABASE for Authentication.

batchlogpath = path to log directory for batch (this directory needs to be created)

url = jdbc\:oracle\:thin\:@db_server\:db_port\:db_sid

3. DATA_PATH = path to directory where batch scripts exist (this directory needs to be created)

language = language in which text will be displayed

country = locale in which currency, calendar, etc. will be displayed

password = username password or RMS/ReIM schema owner password

Example: username=rms11dev

batcherrorlogpath=/u00/oracle/batchlogerrors

logpath=/u00/oracle/logs

schemaOwner=rms11dev

beanDriver=com.retek.reim.foundation.rms11

datasource=rms11

authentication_source= DATABASE

batchlogpath=/u00/oracle/batchlog

url=jdbc\:oracle\:thin\:@dbserver\:1521\:prod_db1

username=rms11dev DATA_PATH=/u00/oracle/data

language=fr

country=FR

password=retex

Edit the file ReIMResources.properties

Note: These steps are only necessary if ReIM is installed in a language other than English. By default ReIM displays English text.

1. Change directories to J2EE_HOME/applications/reim/WEB-INF/classes/com/retex/reim/resources/.
2. Create a backup copy of the existing ReIMResources.properties.

Example: cp ReIMResources.properties

ReIMResources_en_US.propertes

3. Replace the ReIMResources.propertes file with desired language properties file.

Example: cp ReIMResources_fr_FR.properties

ReIMResources.properties

Reload the Default OC4J Application

1. To stop OC4J, run the following command:
`> java -jar $J2EE_HOME/admin.jar ormi://<server>:<oc4j_ormi_port> admin
<admin password> -shutdown -force`

server = name or IP address of the server where OC4J is running

oc4j_ormi_port = port number in the rmi-server element of rmi.xml

admin_password = password supplied during the OC4J install

Example: `> java -jar $J2EE_HOME/admin.jar
ormi://server:23791 admin admin -shutdown -force`

2. To start OC4J, run the following command:
`> java -jar $J2EE_HOME/oc4j.jar &`
"Oracle Application Server Containers for J2EE 10g (9.0.4.0.0) initialized" prompt means the container has started

Load ReIM 11 in a Browser

1. Load ReIM 11 running on OC4J by entering the following URL in a browser:
`http://<server>:<port>/reim/index.jsp`

server = name or IP address of the server where OC4J is running

port = port number set in http-web-site.xml above

Example: <http://server:8888/reim/index.jsp>

2. On the ReIM logon form, enter the appropriateUsername/Password information in the corresponding fields:

Username = ADMIN (default ReIM 11 user)

Password = retek (default ReIM 11 user RETEK password)